SYSTEMS AND METHODS FOR AUTOMATIC REPAIR AND REPLACEMENT OF NETWORKED MACHINES

ABSTRACT OF THE DISCLOSURE

Systems and methods for automatic repair and replacement of computing

5   machines are disclosed. The system may generally include a database including

configuration information for the available replacement machines and a failed machine, a

machine assignment module to assign a replacement machine based on a comparison of

the configuration information for the failed machine and the available replacement

machines, and a configuration module for generating configuration data for replacement

10   of the failed machine with the replacement machine in the computer network. The

machine assignment module may compare certain configuration parameters such as

processor speed, disk drive size, and/or amount of RAM, between the failed machine and

the available replacement machines. A replacement module may copy data from another

copy of the failed machine in the computer network into the replacement machine. An

15   installation module may install the configuration data in, e.g., dependent machines, and

restart the dependent machines.